INDEX

Acid-fastness, 215

Age, parental, and human cancer, 155

Alcohol in pathogenesis of cirrhosis, 23

Alkali reserve, comparative study in normal, pregnant, and fetal sheep, 119

Antimonials in experimental infection of mice with *C. neoformans*, 132

Artery, abnormal inferior suprarenal, 78

Aurothioglucose obesity in mouse, 394

Auskaps, Aina A. (see Gabrieli, Elemer R.)

Bacteremia, 241

Bacterial infection, protection against by commercial yeast, 75

Barrnett, R. J. (see Mayer, J.)

Barron, Donald H.: Comparative study of the alkali reserve of normal, pregnant, and fetal sheep, 119

Barron, Donald H. (see Mottet, Karle)

Beeson, Paul B. (see Bennett, Ivan L., Jr.)

Bennett, Ivan L., Jr.: Significance of fever in infections, 491

Bennett, Ivan L., Jr., and **Beeson, Paul B.**: Bacteremia: a consideration of some experimental and clinical aspects, 241

Berg, F. P. (see Liao, S. J.)

Berg, J. W.: Dual nature of acid-fastness, 215

Bing, Franklin C.: Professor Lafayette B. Mendel as a medical essayist, 139

Black, Francis L. (see Melnick, Joseph L.)

Black, Francis L. and **Melnick, Joseph L.**: Specificity of the complement fixation test in poliomyelitis, 385

Blood, dog, proteolytic activity, 486

Bondy, Philip K.: Acute effects of purified crystalline pituitary growth hormone in normal human beings, 263

Bondy, Philip K. (see Sokal, Joseph E.)

Book Reviews

Abelmann, Henry W.: Cancer as I see it, 176

Ackerknecht, Erwin H.: Rudolf Virchow: doctor, statesman, anthropologist, 239

American Psychiatric Association The psychiatrist, his training and development. Report of 1952 Conference on Psychiatric Education, Cornell University, 1952, 446

Anderson, Arthur K.: Essentials of physiological chemistry, 343

Arber, Agnes: The mind and the eye, 549

Ashley, Franklin L. and Love, Horace G.: Fluid and electrolyte therapy, 555

Bainton, Roland H.: Hunted heretic; the life and death of Michael Servetus, 331

Baker, John R.: Abraham Trembley of Geneva; scientist and philosopher, 1710-1784, 463

Behnke, Albert R., Ed.: The relation of lean body weight to metabolism and some consequent systematizations, 455

Belding, David L.: Textbook of clinical parasitology, 2d ed., 235

Bergman, Moe, Ed.: The audiology clinic. A manual for planning a clinic for the rehabilitation of the acoustically handicapped, 449

Blake, F. G.: The child, his parents and the nurse, 452

Brookhaven National Laboratory, Biology Department Symposia: The major metabolic fuels, 339

Burrow, Trigant: Science and man's behavior, 447

Calverley, Eleanor T.: How to be healthy in hot climates, 340

Cater, D. B.: Basic pathology and morbid histology, 440

Christman, Ruth C., Ed.: Soviet science, 235

Clark, Randolph L. and Cumley, Russell W., Eds.: The book of health, 331

Craig, Robert L., Ed.: Disorders of the circulatory system, 174

Darwin, Charles: Journal of researches into the natural history of the various countries visited by H. M. S. Beagle, 99

Davidson, J. N.: The biochemistry of the nucleic acids, 2d ed., 549

Dickens, F., Ed.: Some aspects of enzyme research. British Medical Bulletin, vol. 9, 335

Dobriner, Konrad, Katzenellenbogen, E. R., and Jones, R. Norman: Infrared absorption spectra of steroids (an atlas), 459

Duffy, John: Epidemics in Colonial America, 174

Fildes, Paul and Heyningen, W. E.: The nature of virus multiplication, 339

Fishbein, Morris, Ed.: 1954 medical progress, 553

Frey-Wyssling, A.: Submicroscopic morphology of protoplasm, 2d English ed., 338

Fruton, Joseph S. and Simmonds, Sophia: General biochemistry, 434

Gamow, George: Mr. Tompkins learns the facts of life, 461

Gellhorn, Ernst: Physiological foundations of neurology and psychiatry, 450

Graustein, Jeannette E.: Nuttall's travels into the old Northwest, 236

Grin, E. I.: Epidemiology and control of epidemic syphilis, 545

Japan BCG. Research Council. Studies on dried BCG vaccine, 239

Ham, Arthur W.: Histology, 2d ed., 439

Hartman, Frank W., Horsfall, Frank L., and Kidd, John G., Eds.: The dynamics of virus and rickettsial infections, 550

Heilbrunn, L. V.: An outline of general physiology, 3d ed., 548

Heisenberg, W.: Nuclear physics, 456

Hitchcock, David I.: Physical chemistry for students of biology and medicine, 4th ed., 438

Hunter, Francis T.: The quantitation of mixtures of hemoglobin derivatives by photoelectric spectrophotometry, 458

Hurxthal, Lewis M. and Musulin, Natalija: Clinical endocrinology, 100

Josiah Macy, Jr. Foundation Conferences
Bradley, Stanley E., Ed.: Renal function. Transactions of the fourth conference, 1952, 334
Foerster, Heinz von, Ed.: Cybernetics: circular causal and feedback mechanisms in biological and social systems. Transactions of the eighth conference, 1951, 444.
Green, Harold D., Ed.: Shock and circulatory homeostasis. Transactions of the second conference, 1952, 547
Ragan, Charles, Ed.: Connective tissues. Transactions of the fourth conference, 1953, 444
King, E. S. J., Lowe, T. E., and Cox, L. B., Eds.: Studies in pathology presented to Peter MacCallum, 236
Lancisi, Giovanni Maria: De aneurysmatibus. The Latin text of Rome, 1745. Revised with translation and notes by Wilmer Cave Wright, 462
Lang, Konrad and Schoen, Rudolph: Die Ernahrung. Physiologie, Pathologie, Therapie, 449
Lauffer, Max A. and Smith, Kenneth M., Eds.: Advances in virus research, vol. 1, 448
Leicester, Henry M., Editor-in-chief: Chymia: annual studies in the history of chemistry, vol. 4, 332
Luria, S. E.: General virology, 456
McCarty, Maclyn, Ed.: Streptococcal infections, 552
Meyer-Abich, Adolph: Biologie der Goethezeit, 102
Moloney, James C.: Understanding the Japanese mind, 551
Morton, Dudley J. and Fuller, Dudley D.: Human locomotion and body form, a study of gravity and man, 103
Nauck, E. Th.: Zur Geschichte des medizinischen Lehrplans und Unterrichts der Universität I. Br., 455
Olliver, C. W.: The intelligent use of the microscope, 2d ed., 341
O'Malley, Charles Donald: Michael Servetus. A translation of his geographical, medical, and astrological writings with introductions and notes, 463
Papanicolaou, George N.: Atlas of exfoliative cytology, 545
Podolsky, Edward: The jealous child, 554
Podolsky, Edward, Ed.: Encyclopedia of aberrations, 554
Pollard, F. H. and McOmie, J. F. W.: Chromatographic methods of inorganic analysis with special reference to paper chromatography, 342
Reimer, Miriam, Editor - in - chief: Standard methods of clinical chemistry, 435
Sartre, Jean-Paul: Existential psychoanalysis. Trans. with an introduction by Hazel E. Barnes, 451
Schaeffer, J. Parsons, Ed.: Morris' human anatomy, 11th ed., 239
Shwartzman, Gregory, Ed.: The effect of ACTH and cortisone upon infection and resistance, 441
Sigerist, Henry E.: A history of medicine. Vol. I, Primitive and archaic medicine, 237
Simmons, J. B., Whayne, T. F., Anderson, G. W., Horack, H. M., Thomas, R. A., and collaborators: Global epidemiology—a geography of disease and sanitation, vol. 3, The Near and Middle East, 460
Smith, Philip E. and Copenhaver, Wilfred M., Eds.: Bailey's text-book of histology, 13th ed., 439
Snell, Esmond E., Ed.: Biochemical preparations, vol. 3, 442
Society for General Microbiology symposium
Gale, E. F. and Davies, R., Eds.: Adaptation in micro-organisms. Third symposium, London, 1953, 445
Soriano, Victor: Traumatismos medulares, 457
Soulier, J. P.: Traitment des hémorragies, 458
Srb, Adriam M. and Owen, Ray D.: General genetics, 176
Stevenson, Lloyd G.: Nobel Prize winners in medicine and physiology 1901-1950, 548
Stiles, Walter and Leach, William: Respiration in plants, 175
Stiles, William W.: Individual and community health, 341
Talbot, Nathan B., Sobel, Edna H., McArthur, Janet W., and Crawford, John D.: Functional endocrinology from birth through adolescence, 100
Taylor, N. B. and Taylor, A. E., Eds.: Stedman's medical dictionary, 175
Tiffany, Lewis H. and Britton, Max E.: The algae of Illinois, 177
Thorpe, William V.: Biochemistry for medical students, 177
Waksman, Selman A.: Soil microbiology, 104
Waksman, Selman A. and Lechevalier, Hubert A.: Guide to the classification and identification of the actinomycetes and their antibiotics, 447
Walter, W. Grey: The living brain, 238
Whiting, John W. M. and Child, Irvin L.: Child training and personality, 343
World Health Organization: BCG Vaccination. Studies by the WHO Tuberculosis Research Office, Copenhagen, 98
WHO Technical Report. Series No. 66. Joint ILO/WHO Committee on Occupational Health. 2d report, 453

Bouchard, R. J. (see Liao, S. J.)

Brain, visceral, study of in primates and man, 107

Brobeck, John R. (see Strominger, Jack L.)

Bunting, Henry, 1911-1954, 422

Cancer and parental age, prospectus for survey of human, 155

Carcinoma of prostate, effect of cortisone on 17-ketosteroid excretion, 345

Cirrhosis, alcohol in pathogenesis, 23

Cold in hereditary obese-hyperglycemic syndrome, 38

Collagen, effect on human skin, 295, 527

Collagenase, effect on human skin collagen, 295

INDEX

Collagen disease, tapered fibril ends in skin collagen, 527

Complement fixation test in poliomyelitis, 385

Cooke, Robert E. (see Green, Morris)

Cort, Ruth L. (see Strominger, Jack L.)

Cortisone, effect on 17-ketosteroid excretion in carcinoma of prostate, 345

Costa, Pasquale J. (see Sokal, Joseph E.)

Cryptococcus neoformans, antimonials in experimental infection in mice, 132

Cytochemical differentiation of neurons, 275

Deming, Clyde L. (see Sokal, Joseph E.)

Diagnostic procedures in poliomyelitis, 465

Diverticulum of esophagus, 285

Drachman, Robert H. and **Tepperman, Jay:** Aurothioglucose obesity in the mouse, 394

Edema, effect of massive intravenous infusions, 372

Electrophoretic study of saliva, 211

Enzyme, influenza virus, and mucoprotein substrate, 352

Epidemiology of infectious hepatitis in urban group, 512

Esophagus, diverticulum of, 285

Events

Ali, Sálim: Breeding behaviour of some Indian weaver birds, 324

Allport, Gordon W.: Becoming. Three lectures on growth in personality, 425

Bing, Richard J.: Metabolism of heart, 429

Blake, John B.: Waterhouse and vaccination, 426

Churchill, Edward D.: Problems in wound healing, 329

Cobb, Stanley: Some neuropsychiatric aspects of the study of language, 321

Finch, S. C. and Ross, J. F.: The Fe^{59} turnover rate of cytochrome C, 329

Fischel, Edward E.: The action of salicylates in rheumatoid arthritis, 430

Foster, Morris: Enzymatic studies of hair pigmentation, 428

Fulton, John F.: Ramón y Cajal and Sherrington, 320

Holtzer, Howard: Morphogenetic influence of the embryonic spinal cord in the axial mesoderm, 541

Hotchkiss, R. D.: Pneumococcal transformations and genetic experiments, 429

Hufnagel, Charles A.: Aortic insufficiency with special reference to its surgical management, 319

Knight, Robert P.: How should the non-psychiatric physician handle psychiatric problems in his patient, 538

Kornfeld, Donald S.: The effects of intravenous administration of ACTH and hydrocortisone upon the electroencephalogram of epileptics and normals, 542

Krebs, H. A.: The biosynthesis of glycogen from lactate, 317

Loosanoff, Victor L.: Studies of bivalve larvae, 173

Lwoff, Andre: Proviruses in their relation to viruses and cells, 536

McDermott, William V., Jr.: Ammonia metabolism in liver disease and following portal-caval shunts, 433

Mangelsdorf, Paul C.: Explosive evolution, 324

Mayer, Jean: Etiologic mechanism of a form of genetic obesity, 322

Melnick, Joseph L. and Philips, C. Alan: Attenuation of poliomyelitis virus on passage through tissue culture, 327

Miles, A. A.: Recent studies on permeability and inflammation, 537

Moment, Gairdner B.: Growth limitation and bioelectric potentials, 431

Monod, Jacques: Induced biosynthesis of an enzyme, 424

Mortimer, C. H.: The physical environment in lakes, 233

Mudge, Gilbert H.: Cellular mechanisms of potassium transport, 170

Olive, Lindsay S.: Some interesting nuclear associations in the fungi, 325

Palade, George E.: Functional interpretation of the fine structure of the cytoplasm, 540

Palay, Sanford L.: The fine structure of neurons, 327

Papazian, Haig P.: Genetic aspects of sex and incompatibility in fungi, 171

Pavan, Crodowaldo: Polytene chromosomes and differentiation, 326

Petrunkevitch, Alexander: Macroevolution and the problem of missing links, 234

Pittendrigh, Colin S.: Clocks in organisms, 432

Ripley, Dillon: Migration of large mammals, 330

Schottë, Oscar: Pituitary, ACTH, and cortisone in wound healing and regeneration in the amphibia, 321

Scoville, William B. and Ryan, V. Gerald: Orbital undercutting in the treatment of psychoneuroses, depressions and senile states, 328

Shen, S. C.: Cholinesterase in amphibian nervous system, 172

Singer, Marcus: Nature of trophic influence which nerves exert on regeneration of limbs of the newt, Triturus, 432

Singer, Thomas: Oxidative metabolism of the sulfur amino acids, 536

Tamm, Igor: The intracellular development of animal viruses, 539

Thorn, George W.: Adrenal cortical functions in stress, 539

Van der Kloot, William G.: Experimental analysis and alteration of cocoon spinning behaviour in silkworms, 323

Vita, Martin B.: The correction of hypokalemic alkalosis with potassium bicarbonate, 543

Wood, Paul: Congenital heart disease, 170

Wood, T. H.: Influence of temperature and phase states on X-ray sensitivity of yeast, 427

INDEX

Yesner, Raymond and Hurwitz, Alfred: Ultrasonic measurement of blood viscosity, 424

Zilboorg, Gregory: The psychology and psychopathology of the criminal act and punishment, 317

Fasting, effect on nucleic acid content of tissues in rat, 126

Fetal sheep and alkali reserve, 119

Fever in infections, 491

Fibril-tapered ends in skin collagen, 527

Food intake in normal rats and rats with hypothalamic hyperphagia, 55

Fulton, John F.: The limbic system: a study of the visceral brain in primates and man, 107

Fulton, John F.: Ralph Linton 1893-1953, 313

Gabrieli, Elemer R. and **Auskaps, Aina A.:** Effect of whole body x-irradiation on reticulo-endothelial system using radioactive chromium phosphate, 159

Girardi, Anthony J. (see Melnick, Joseph L.)

Gottschalk, Alfred: The influenza virus enzyme and its mucoprotein substrate, 352

Green, Morris and **Cooke, Robert E.:** Individualization of teaching on the pediatric clerkship at Yale, 506

Growth hormone, effects of purified crystalline pituitary in normal human beings, 263

Grunberg, E. and **Schnitzer, R. J.:** Chemotherapeutic study of antimonials in experimental infection of mice with *Cryptococcus neoformans,* 132

Hagopian, Armen C.: An abnormal inferior suprarenal artery, 78

Hale, William M. and **Stoner, Richard D.:** Formation of tetanus antitoxin by spleen and lymph node intra-ocular transplants, 46

Harrison, William and **Liebow, Averill A.:** Effects of massive intravenous infusions with special reference to pulmonary congestion and edema, 372

Harvard, B. Marvin, Jr. (see Sokal, Joseph E.)

Harvey, Samuel Clark, 1886-1953, 1
Objectives of medical education, 8

Harvey, William, use of quantitative method, 410

Hepatitis, infectious, epidemiology in urban group, 512

Hiscock, Ira V.: Changing concepts in public health, 224

Hypothalamic hyperphagia, regulation of food intake, 55

Infections, significance of fever in, 491

Influenza virus, receptor substance from human erythrocyte, 191

Infusions, intravenous, with reference to pulmonary congestion and edema, 372

Intra-ocular transplants and formation of tetanus antitoxin, 46

Jones, Mary Ellen: Albrecht Kossel, a biographical sketch, 80

Keech, Madeline K.: Effect of collagenase on human skin collagen. Comparison of different age-groups and of cases with and without "collagen disease," 295

Keech, Madeline K.: The percentage of tapered fibril ends in skin collagen from cases with and without "collagen disease," 527

Ketosteroid (17-ketosteroid) excretion, effect of cortisone in carcinoma of prostate, 345

Kilgour, Frederick G.: William Harvey's use of the quantitative method, 410

Kinersly, Thorn: Preliminary paper electrophoretic study of saliva, 211

Klatskin, Gerald: Rôle of alcohol in pathogenesis of cirrhosis, 23

Kline, Daniel L.: Studies on purification and activation of plasminogen (profibrinolysin), 365

Kline, Daniel L. (see Paly, Sidney N.)

Kossel, Albrecht, biographical sketch, 80

Liao, S. J., Berg, F. P., and **Bouchard, R. J.:** Epidemiology of infectious hepatitis in an urban population group. Epidemic in a medium-rental housing project in New Haven, Connecticut, in 1953, 512

Liebow, Averill A. (see Harrison, William)

Limbic system, 107

Lindskog, Gustaf E. and **Stern, Harold:** Diverticulum of the esophagus, 285

Linton, Ralph, 1893-1953, 313

McCrea, John F.: Studies on influenza virus receptor substance and receptor-substance analogues. II. Isolation and purification of a mucoprotein receptor substance from human erythrocyte stroma treated with pentane, 191

Mayer, J. and **Barrnett, R. J.:** Sensitivity to cold in hereditary obese-hyperglycemic syndrome of mice, 38

Medical education, objectives of, 8

Melnick, Joseph L., Ramos-Alvarez, Manuel, Black, Francis L., Girardi, Anthony J., and **Nagaki, Daizo:** Poliomyelitis viruses in tissue culture. VII. Experiences with viral and serological diagnostic procedures, 465

Melnick, Joseph L. (see Black, Francis L.)

Mendel, Lafayette B. as medical essayist, 139

Mendenhall, Thomas C.: Henry Bunting 1900-1954, 422

Milstone, J. H. and **Milstone, V. K.:** Failure of lipoid thromboplastin to act as cofactor for trypsin in the activation of proenzymes, 307

Milstone, V. K. (see Milstone, J. H.)

Mottet, Karle and **Barron, Donald H.:** Some effects of the peripheral field on the cytochemical differentiation of neurons, 275

Mucoprotein and influenza virus, 191, 352

Nagaki, Daizo (see Melnick, Joseph L.)

INDEX

Neurons, effects of peripheral field on cytochemical differentiation, 275

Nucleic acid content of tissues, effect of fasting in rat, 126

Obese-hyperglycemic syndrome and sensitivity to cold, 38

Obesity, aurothioglucose, in mouse, 394

Paly, Sidney N. and **Kline, Daniel L.:** Spontaneous proteolytic activity of dog blood, 486

Parfentjev, I. A.: A fraction of commercial yeast which protects against bacterial infection, 75

Pediatric clerkship, individualization of teaching at Yale, 506

Peripheral field, effects on cytochemical differentiation of neurons, 275

Peters, John P.: Some remarks on renal disease, 179

Plasminogen, studies on purification and activation, 365

Poliomyelitis, serological diagnostic procedures, 465
specificity of complement fixation test, 385

Pregnant sheep and alkali reserve, 119

Prick threshold in skin sensibility, 145

Proenzymes, failure of lipoid thromboplastin in activation of, 307

Profibrinolysin, studies on purification and activation, 365

Prostate, carcinoma and effect of cortisone on 17-ketosteroid excretion, 345

Proteolytic activity of dog blood, 486

Public health, changing concepts, 224

Pulmonary congestion, effect of massive intravenous infusions, 372

Radioactive chromium phosphate and reticulo-endothelial system, 159

Ramos-Alvarez, Manuel (see Melnick, Joseph L.)

Renal disease, 179

Reticulo-endothelial system and x-irradiation, 159

Saliva, electrophoretic study, 211

Schnitzer, R. J. (see Grunberg, E.)

Sheep, comparative study of alkali reserve, 119

Sigel, Harry: Prick threshold stimulation with square-wave current: a new measure of skin sensibility, 145

Skin sensibility, stimulation with square-wave current, 145

Smith, Ora Kingsley: Effect of fasting on nucleic acid content of tissues in normal and adrenalectomized rat, 126

Sokal, Joseph E., Bondy, Philip K., Costa, Pasquale J., Deming, Clyde L., and **Harvard, B. Marvin, Jr.:** Effect of cortisone on 17-ketosteroid excretion of patients with carcinoma of the prostate, 345

Spleen and lymph nodes and tetanus antitoxin, 46

Stern, Harold (see Lindskog, Gustaf E.)

Stoner, Richard D. (see Hale, William M.)

Strominger, Jack L., Brobeck, John R., and **Cort, Ruth L.:** Regulation of food intake in normal rats and in rats with hypothalamic hyperphagia, 55

Strong, Leonell C.: Prospectus for survey of human cancer based on parental age, 155

Taffel, Max: Samuel Clark Harvey, 1886-1953, 1

Teaching, individualization on pediatric clerkship, 506

Tepperman, Jay (see Drachman, Robert H.)

Tetanus antitoxin, formation of by spleen and lymph node intra-ocular transplants, 46

Thromboplastin, lipoid, failure as cofactor for trypsin in activation of proenzymes, 307

Virus enzyme, influenza, and mucoprotein substrate, 352

Viruses, poliomyelitis, diagnostic procedures, 465

X-irradiation, effect on reticulo-endothelial system, 159

Yeast as protection against bacterial infection, 75